

5040 #6



PCT10

RAW SEQUENCE LISTING

DATE: 02/07/2002

PATENT APPLICATION: US/10/030,740

TIME: 14:41:12

Input Set : A:\SEQ LIST TEXT.txt

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3 <110> APPLICANT: I.N.S.E.R.M.
4 MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DES WISSENSC
6 <120> TITLE OF INVENTION: Novel Neisseria meningitidis compounds and
7 anti-infection applications thereof
9 <130> FILE REFERENCE: 9893 SEQUENCES
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/030,740
C--> 12 <141> CURRENT FILING DATE: 2002-01-11
14 <160> NUMBER OF SEQ ID NOS: 116
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 696
20 <212> TYPE: DNA
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26 gcccttgctg agttgaacga aggtgtgaac tacactgtat tgtctacgcc tattccgcaa 180
27 cagcaggccg gtaaaatcga agtattggaa tttttcggct acttctgccc gcattgcgcc 240
28 catcttgagc cggctcttgag cgagcacatc aaaacgttta aagacgatac ctatatgcgc 300
29 cgggagcatg tcgtgtgggg tgatgaaatg aaacctttgg cacgtttggc ggccgcagtg 360
30 gaaatggccg gtgaatcaga taaagccaac agccatattt tcgatgcgat ggttaatcaa 420
31 aaaatcaatc tggccgatac cgataccctg aaaaaaatggc tgtccgagca aacagcgttt 480
32 gacggcaaaa aagtattggc tgcatttgag gctcctgaaa gccaaagcgcg tgcggctcaa 540
33 atggaagagt tgaccaataa attccaaatc agcggcacac cgactgtgat tgteggcggc 600
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35 gataaagtac gcgaagagca gaaaaagccg caataa 696
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38 <211> LENGTH: 231
39 <212> TYPE: PRT
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46 Ala Ala Cys Ser Lys Gln Ala Glu Thr Ser Val Pro Ala Asp Ser Ala
47 20 25 30
49 Gln Ser Ser Ser Ser Ala Pro Ala Ala Pro Ala Glu Leu Asn Glu Gly
50 35 40 45
52 Val Asn Tyr Thr Val Leu Ser Thr Pro Ile Pro Gln Gln Gln Ala Gly
53 50 55 60
55 Lys Ile Glu Val Leu Glu Phe Phe Gly Tyr Phe Cys Pro His Cys Ala
56 65 70 75 80
58 His Leu Glu Pro Val Leu Ser Glu His Ile Lys Thr Phe Lys Asp Asp
59 85 90 95

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64 Leu Ala Arg Leu Ala Ala Ala Val Glu Met Ala Gly Glu Ser Asp Lys
65      115      120      125
67 Ala Asn Ser His Ile Phe Asp Ala Met Val Asn Gln Lys Ile Asn Leu
68      130      135      140
70 Ala Asp Thr Asp Thr Leu Lys Lys Trp Leu Ser Glu Gln Thr Ala Phe
71 145      150      155      160
73 Asp Gly Lys Lys Val Leu Ala Ala Phe Glu Ala Pro Glu Ser Gln Ala
74      165      170      175
76 Arg Ala Ala Gln Met Glu Glu Leu Thr Asn Lys Phe Gln Ile Ser Gly
77      180      185      190
79 Thr Pro Thr Val Ile Val Gly Gly Lys Tyr Gln Val Glu Phe Lys Asp
80      195      200      205
82 Trp Gln Ser Gly Met Thr Thr Ile Asp Gln Leu Val Asp Lys Val Arg
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85 Glu Glu Gln Lys Lys Pro Gln
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97 gccctgctg agttgaacga aggtgtgaac tacactgtat tgtctacgcc tattccgcaa 180
98 cagcaggccg gtaaaatcga agtattggaa ttttcggct acttctgccc gcattgcgcc 240
99 catcttgagc cggctctgag cgagcacatc aaaacgttta aagacgatac ctatatgcgc 300
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104 atggaagagt tgaccaataa attccaaatc agcggcacac cgactgtgat tgcggcgccg 600
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106 gataaagtac gcgaagagca gaaaaagccg caataa 696
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110 <212> TYPE: PRT
111 <213> ORGANISM: Neisseria meningitidis
113 <400> SEQUENCE: 4
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115 1 5 10 15
117 Ala Ala Cys Ser Lys Gln Ala Glu Thr Ser Val Pro Ala Asp Ser Ala
118 20 25 30
120 Gln Ser Ser Ser Ser Ala Pro Ala Ala Pro Ala Glu Leu Asn Glu Gly
121 35 40 45
123 Val Asn Tyr Thr Val Leu Ser Thr Pro Ile Pro Gln Gln Gln Ala Gly
124 50 55 60
126 Lys Ile Glu Val Leu Glu Phe Phe Gly Tyr Phe Cys Pro His Cys Ala

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129 His Leu Glu Pro Val Leu Ser Glu His Ile Lys Thr Phe Lys Asp Asp
130              85              90              95
132 Thr Tyr Met Arg Arg Glu His Val Val Trp Gly Asp Glu Met Lys Pro
133              100              105              110
135 Leu Ala Arg Leu Ala Ala Ala Val Glu Met Ala Gly Glu Ser Asp Lys
136              115              120              125
138 Ala Asn Ser His Ile Phe Asp Ala Met Val Asn Gln Lys Ile Asn Leu
139              130              135              140
141 Ala Asp Thr Asp Thr Leu Lys Lys Trp Leu Ser Glu Gln Thr Ala Phe
142 145              150              155              160
144 Asp Gly Lys Lys Val Leu Ala Ala Phe Glu Ala Pro Glu Ser Gln Ala
145              165              170              175
147 Arg Ala Ala Gln Met Glu Glu Leu Thr Asn Lys Phe Gln Ile Ser Gly
148              180              185              190
150 Thr Pro Thr Val Ile Val Gly Gly Lys Tyr Gln Val Glu Phe Lys Asp
151              195              200              205
153 Trp Gln Ser Gly Met Thr Thr Ile Asp Gln Leu Val Asp Lys Val Arg
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168 gccctgtctg agttgaacga aggtgtgaac tacactgtat tgtctacgcc tattccgcaa 180
169 cagcaggccg gtaaaatcga agtattggaa tttttcggct acttctgccc gcattgcgcc 240
170 catcttgagc cggtcttgag cgagcacatc aaaacgttta aagacgatac ctatatgcgc 300
171 cgggagcatg tcgtgtgggg tgatgaaatg aaacctttgg cacgtttggc ggccgcagtg 360
172 gaaatggccg gtgaatcaga taaagccaac agccatattt tcgatgcgat ggttaatcaa 420
173 aaaatcaatc tggccgatac cgataccctg aaaaaatggc tgtccgagca aacagcgttt 480
174 gacggcaaaa aagtattggc tgcatttgag gctcctgaaa gccaagcgcg tgcggctcaa 540
175 atggaagagt tgaccaataa attccaaatc agcggcacac cgactgtgat tgcggcggc 600
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182 <213> ORGANISM: Neisseria meningitidis
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189 20 25 30
191 Gln Ser Ser Ser Ser Ala Pro Ala Ala Pro Ala Glu Leu Asn Glu Gly
192 35 40 45

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197 Lys Ile Glu Val Leu Glu Phe Phe Gly Tyr Phe Cys Pro His Cys Ala
198 65      70      75      80
200 His Leu Glu Pro Val Leu Ser Glu His Ile Lys Thr Phe Lys Asp Asp
201      85      90      95
203 Thr Tyr Met Arg Arg Glu His Val Val Trp Gly Asp Glu Met Lys Pro
204      100      105      110
206 Leu Ala Arg Leu Ala Ala Ala Val Glu Met Ala Gly Glu Ser Asp Lys
207      115      120      125
209 Ala Asn Ser His Ile Phe Asp Ala Met Val Asn Gln Lys Ile Asn Leu
210      130      135      140
212 Ala Asp Thr Asp Thr Leu Lys Lys Trp Leu Ser Glu Gln Thr Ala Phe
213 145      150      155      160
215 Asp Gly Lys Lys Val Leu Ala Ala Phe Glu Ala Pro Glu Ser Gln Ala
216      165      170      175
218 Arg Ala Ala Gln Met Glu Glu Leu Thr Asn Lys Phe Gln Ile Ser Gly
219      180      185      190
221 Thr Pro Thr Val Ile Val Gly Gly Lys Tyr Gln Val Glu Phe Lys Asp
222      195      200      205
224 Trp Gln Ser Gly Met Thr Thr Ile Asp Gln Leu Val Asp Lys Val Arg
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227 Glu Glu Gln Lys Lys Pro Gln
228 225      230
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239 gcccctgctg agttgaacga aggtgtgaac tacactgtat tgtctacgcc tattccgcaa 180
240 cagcaggccg gtaaaatcga agtattggaa tttttcggct acttctgccc gcattgcgcc 240
241 catcttgagc cggctctgag cgagcacatc aaaacgttta aagacgatac ctatatgcgc 300
242 cgggagcatg tcgtgtgggg tgatgaaatg aaacctttgg cacgtttggc ggccgcagtg 360
243 gaaatggccg gtgaatcaga taaagccaac agccataatt tcgatgcgat ggttaatcaa 420
244 aaaatcaatc tggccgatac cgataccctg aaaaaatggc tgtccgagca aacagcgttt 480
245 gacggcaaaa aagtattggc tgcatttgag gtcctgaaa gccaaagcgc tgccggctcaa 540
246 atggaagagt tgaccaataa attccaaaac agcggcacac cgactgtgat tgcggcggc 600
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263          35          40          45
265 Val Asn Tyr Thr Val Leu Ser Thr Pro Ile Pro Gln Gln Gln Ala Gly
266          50          55          60
268 Lys Ile Glu Val Leu Glu Phe Phe Gly Tyr Phe Cys Pro His Cys Ala
269 65          70          75          80
271 His Leu Glu Pro Val Leu Ser Glu His Ile Lys Thr Phe Lys Asp Asp
272          85          90          95
274 Thr Tyr Met Arg Glu His Val Val Trp Gly Asp Glu Met Lys Pro
275          100         105         110
277 Leu Ala Arg Leu Ala Ala Ala Val Glu Met Ala Gly Glu Ser Asp Lys
278          115         120         125
280 Ala Asn Ser His Ile Phe Asp Ala Met Val Asn Gln Lys Ile Asn Leu
281          130         135         140
283 Ala Asp Thr Asp Thr Leu Lys Lys Trp Leu Ser Glu Gln Thr Ala Phe
284 145          150         155         160
286 Asp Gly Lys Lys Val Leu Ala Ala Phe Glu Ala Pro Glu Ser Gln Ala
287          165         170         175
289 Arg Ala Ala Gln Met Glu Glu Leu Thr Asn Lys Phe Gln Ile Ser Gly
290          180         185         190
292 Thr Pro Thr Val Ile Val Gly Gly Lys Tyr Gln Val Glu Phe Lys Asp
293          195         200         205
295 Trp Gln Ser Gly Met Thr Thr Ile Asp Gln Leu Val Asp Lys Val Arg
296          210         215         220
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302 <210> SEQ ID NO: 9

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304 <212> TYPE: DNA

305 <213> ORGANISM: Neisseria meningitidis

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310 gccctgctg agttgaacga aggtgtgaac tacactgtat tgtctacgcc tattccgcaa 180
311 cagcaggccg gtaaaatcga agtattggaa tttttcggct acttctgccc gcattgcgcc 240
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313 cgggagcatg tcgtgtgggg tgatgaaatg aaacctttgg cacgtttggc ggccgcagtg 360
314 gaaatggccg gtgaatcaga taaagccaac agccatattt tcgatgcgat ggttaatcaa 420
315 aaaatcaatc tggccgatac cgataacctg aaaaaatggc tgtccgagca aacagcgttt 480
316 gacggcaaaa aagtattggc tgcatttgag gtcctgaaa gccaaagcgc tgcggtctca 540
317 atggaagagt tgaccaataa attccaaatc agcggcacac cgactgtgat tgcggcggc 600
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323 <212> TYPE: PRT

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VERIFICATION SUMMARY

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PATENT APPLICATION: US/10/030,740

TIME: 14:41:13

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L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date